

CLAIMS

What is claimed is:

- 1 1. A method of processing a data string in a web page, comprising:
  - 2 (a) mapping the data strings to a fixed-length string;
  - 3 (b) replacing the data string in the web page with the fixed-length
  - 4 string; and
  - 5 (c) transmitting the page with said fixed-length string.
- 1 2. The method of claim 1 wherein the method is performed on a web
- 2 server which provides said web page.
- 1 3. The method of claim 1 wherein said method is performed on an
- 2 intermediate server which receives said web page from a web content
- 3 server.
- 1 4. The method of claim 1 wherein said fixed-length string includes a
- 2 unique identifier associating said string with said web page.
- 1 5. The method of claim 1 wherein said web page has a unique page
- 2 ID.
- 1 6. The method of claim 1 wherein said step (a) comprises generating
- 2 a random identifier for said data string and creating a table associating said

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3 (a) converting a string of meta-data to a random fixed-length  
4 data string;

5 (b) associating the string of meta-data with the fixed-length data  
6 string;

7 (c) replacing the string of meta-data in the web page with the  
8 fixed-length data string.

1 13. The method of claim 12 further including the step of:

2 (d) transmitting the web page.

1 14. The method of claim 12 wherein said step (a) comprises mapping  
2 said meta-data to a fixed-length string uniquely associated with said web  
3 page.

1 15. The method of claim 12 wherein said step (a) comprises performing  
2 a fixed-length hash on said data, uniquely identifying said web page, and  
3 combining said unique identifier for said web page with said fixed-length  
4 hash.

1 16. The method of claim 12 wherein said step (a) comprises performing  
2 a reversible hash on said string of meta-data and associating a key with  
3 said web page.

1 17. A method of processing a web page, including a string of meta-data  
2 transmitted on a network, comprising:

- 3 (a) converting a string of meta-data to a fixed-length string;  
4 (b) mapping the string of meta-data to the fixed-length string; and  
5 (c) transmitting the fixed-length string in place of the string of  
6 meta-data.

1 18. The method of claim 17 wherein said fixed-length string includes a  
2 unique identifier associating said fixed-length string with said web page.

1 19. The method of claim 17 wherein said web page is provided with a  
2 unique ID.

1 20. The method of claim 17 wherein said step (a) comprises generating  
2 a random identifier for said fixed-length string and creating a table  
3 associating said random identifier with said fixed-length string.

1 21. The method of claim 17 wherein said string of meta-data comprises  
2 at least one universal resource locator.

1 22. The method of claim 17 wherein said step (b) comprises generating  
2 a new web page wherein said meta-data string is replaced with said fixed-  
3 length string.

1     23.    The method of claim 17 wherein said step (a) comprises performing  
2     a fixed-length hash on said meta-data, uniquely identifying said web page,  
3     and combining said unique identifier for said web page with said fixed-  
4     length hash.

1     24.    A method of processing a page with fixed-length mapped strings,  
2     comprising:

3            (a)    identifying said web page by reference to a unique web page  
4     identifier;

5            (b)    interpreting at least one fixed-length string of data  
6     corresponding to meta-data associated with said fixed-length string; and

7            (b)    processing said meta-data.